

## CLAIMS

1. Method for implementing a service in a telecommunication system comprising a mobile subscriber network (1), a mobile switching center (2) connected to the mobile subscriber network (1) and an intelligent network (3) connected to the mobile subscriber network (1), characterized in that

the mobile switching center (2) is provided with a service control function (4), which is connected to an A-interface call control protocol, an SSAP protocol and a call control function (5);

a message coming from a protocol is transmitted to the service control function (4), and call control (5) is controlled by the service control function (4) at the intelligent network interface; and

queries are made by the call control function (5) to obtain information from the service control function (4), and instructions are received by the call control function (5) from the service control function (4).

2. Method as defined in claim 1, characterized in that a reference to the service control function (4) is added to the triggering data of the call control function (5).

3. Method as defined in claims 1 and 2, characterized in that the message transmitted from the service control function (4) to the call control function (5) is based on a method or message of the call control function (5) according to CS-2.

4. Method as defined in claims 1 and 2, characterized in that the message transmitted from the service control function (4) to the call control function (5) is based on a method or message of the call control function (5) according to CAMEL Phase 3.

5. Method as defined in claims 1 and 2, characterized in that the message transmit-

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ted from the service control function (4) to the call control (5) is based on a method or message of the call control function (5) according to AIN call party handling.

5           6. Method as defined in claims 1 - 5, characterized in that data for the triggering of intelligent network services are added to the subscriber information returned from the VLR to the call control function at the beginning of call setup  
10 if any one of the GSM supplementary services partially or completely implemented via an intelligent network interface is active for the subscriber in the VLR subscriber data.

15           7. Method as defined in claims 1 - 6, characterized in that an indication of those events in the call control function (5) in which it is necessary to make a service control function (4) query is added to the triggering data.

20           8. Method as defined in claims 1 - 7, characterized in that the intelligent network interface for call control (5) is an INAP interface.

25           9. System for implementing a service in a telecommunication system comprising a mobile subscriber network (1), a mobile switching center (2) connected to the mobile subscriber network (1) and an intelligent network (3) connected to the mobile subscriber network (1), characterized in that  
30 the mobile switching center (2) is provided with a service control function (4);

the service control function (4) comprises means (6) for controlling the call control function (5) at the intelligent network interface;

35 the call control function (5) comprises means (7) for making queries and means (8) for receiving instructions from the service control function (4).

10. System as defined in claim 9, characterized in that the mobile subscriber network (1) is a digital mobile subscriber network.

5 11. System as defined in claims 9 and 10, characterized in that the mobile subscriber network (1) is a GSM network.

10 12. System as defined in claims 9 - 11, characterized in that the service control function (4) is an internal program block or other internal software component in the mobile switching center (2).

15 13. System as defined in claims 9 - 11, characterized in that the service control function (4) is a function connected to the mobile switching center (2) via a Corba interface.

14. System as defined in claims 9 - 11, characterized in that the service control function (4) is a Java-language execution environment.

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